



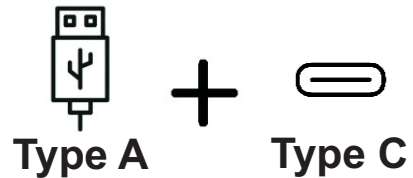
## MLPD2011

### Type A + C Dual-Port USB-PD Fast Charger



#### Areas of application

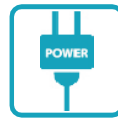
- Suitable for wide range of electronic devices like mobile, headphones, all bluetooth devices, etc.



**FAST  
CHARGING**



**AUTO  
RECOVERY**



**POWER  
DELIVERY**



**OVER HEAT  
SHUTDOWN**

#### Product benefits

- Wide Operating Range 100 - 265 VAC.
- This adapter has Overvoltage protection, Overload protection, Short circuit protection, Over Temperature protection, and Auto recovery.
- This adapter has 1 USB Type-A port and 1 Type-C port.
- This adapter can provide up to 20W used for charging of devices.
- Compact design, Small, travel-friendly form factor
- Broad Device Support.

#### Product features

- USB Power Delivery (PD) and Qualcomm Quick Charge (QC) fast-charging protocols.
- Extremely useful adapter with GaN technology.
- Indigenously designed to support all relevant and widely adopted USB charging protocols for optimal device compatibility.

# Product datasheet

## Technical data

### Electrical data

|                             |                                                |
|-----------------------------|------------------------------------------------|
| Input voltage AC            | 100 - 265 VAC                                  |
| Mains frequency             | 47 - 63Hz                                      |
| Output (Type C)             | DC 5V/3A, 9V/2.5A, 12V/2A , 15V/1.5A, 20V/1.2A |
| Output (Type A)             | DC 5V/3A, 9V/2.5A, 12V/2A                      |
| Wattage                     | 20W (Max.)                                     |
| Connector Type              | Type A + Type C                                |
| Operating Temperature Range | 0°C to +45°C                                   |
| Storage Temperature Range   | -10°C to +60°C                                 |

### Protections

|                                |     |
|--------------------------------|-----|
| Input Over voltage Shutdown    | Yes |
| Over Current Protection        | Yes |
| Short Current Protection       | Yes |
| Over Temperature Protection    | Yes |
| Output Over-voltage Protection | Yes |
| Auto Recovery                  | Yes |

### Supported Charging Protocols

#### Type C

|                                                |
|------------------------------------------------|
| USB Power Delivery 3.0 + PPS provider          |
| QC3.0-3.6V-12.8V DCP-1.5A, QC2.0-9V-12V QC4.0+ |
| Support Apple2.4A                              |
| Samsung-5V-2A , Samsung-AFC-9V-12V             |
| Huawei-FCP-9V-12V-36.0W, Huawei-SCP-3.4V~12.0V |
| VOOC/DASH/WARP-3.3V~5.5V                       |
| SuperVOOC-10V                                  |

#### Type A

|                                                |
|------------------------------------------------|
| QC3.0-3.6V-12.8V DCP-1.5A, QC2.0-9V-12V        |
| Support Apple2.4A                              |
| Samsung-5V-2A DCP-1.5A, Samsung-AFC-9V-12V     |
| Huawei-FCP-9V-12V-36.0W, Huawei-SCP-3.4V~12.0V |
| VOOC/DASH/WARP-3.3V~5.5V                       |
| SuperVOOC-10V                                  |

### Dimensions and Weight

|        |       |
|--------|-------|
| Length | 43 mm |
| Width  | 42 mm |
| Height | 27 mm |
| Weight | 53gms |

### Color & Material

|                 |              |
|-----------------|--------------|
| Casing Color    | White        |
| Casing Material | Plastic (PC) |